



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,097	11/14/2003	Daisuke Nakamura	016914-0230	1950
22428	7590	03/20/2006	EXAMINER	
FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW WASHINGTON, DC 20007			HAUGLAND, SCOTT J	
			ART UNIT	PAPER NUMBER
			3654	

DATE MAILED: 03/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/712,097	NAKAMURA ET AL.	
	Examiner Scott Haugland	Art Unit 3654	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 07 December 2005 and 06 January 2006.
- 2a) This action is FINAL.                  2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-19 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____.                                   |

## **DETAILED ACTION**

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/7/05 has been entered.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "the other opposed support member" on line 9. There is insufficient antecedent basis for this limitation in the claim.

It is not clearly set forth in claim 1 that the support members recited on lines 22 and 23 refer the support member(s) recited on line 8.

Claim 2 recites the limitation "the other opposed support member" on line 10. There is insufficient antecedent basis for this limitation in the claim.

It is not clearly set forth in claim 2 that the support members recited on lines 9-10, 23, 24, 27, and 30 refer the support member(s) recited on line 8.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-8 and 12-16 rejected under 35 U.S.C. 102(b) as being anticipated by JP 6-115786 or JP 6-74104.

JP '786 and JP '104 disclose structure for decreasing the distance between the roll supports and include pressure change assigning means for changing the pressing force of the roll supports against an inner tube of the roll. The roll supporting and pressure change structures of both apparatus are capable of increasing pressing force in the event of occurrence of an emergency stop signal of a rotary press.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Art Unit: 3654

Claims 9-11 and 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over either of JP 6-115786 or JP 6-74104 in view of Miller et al (U.S. Pat. No. 6,299,099).

JP '786 and JP '104 are described above.

The Japanese documents do not disclose the claimed details of the support members.

Miller et al teaches forming support members of a paper roll support device with a contact member, an insertion section, and a flange. The contact members travel along inclined grooves formed in the surface of the insertion section.

It would have been obvious to one having ordinary skill in the art to provide the roll support device of JP '786 or JP '104 with support members each having a contact member, an insertion section having inclined grooves in which the contact member travels, and a flange as taught by Miller et al to permit the support members to grip and securely hold the paper roll.

### ***Response to Arguments***

Applicants' arguments filed 12/7/05 have been fully considered but they are not persuasive.

Applicants argue that JP 6-115786 does not disclose "a pressure change assigning means" that includes "a path change-over device and at least one fluid pressure setting device" or "a paper roll detachment and change-over means for changing a path of fluid for creating pressure in the pressing means". However, JP 6-

115786 discloses pressure change assigning means that changes the pressure applied by supports 1,2 to web roll 6. It discloses a path change-over device, e.g., in Fig. 1.

The disclosed apparatus has a fluid pressure setting device which controls the pressure to hydraulic motors to change the pressing force of supports 1, 2. The disclosed device includes a paper roll detachment and change-over means. Supports 1, 2 are movable toward and away from each other to permit changing of paper rolls. Note Fig. 4. The change-over means is inherently capable of changing a path of fluid to hydraulic motors during the roll change process.

Applicants argue that JP 6-74104 does not disclose that the mounting device functions in an emergency stop to increase contact force between the support and the inner tube of a paper roll or that it is capable of this function. However, independent claims 1 and 2 merely require the pressure change assigning means to be adapted to increase contact force between the support means and the inner tube of the paper roll in the event of an emergency signal for an emergency stop of the rotary press. The abstract of JP 6-74104 describes how the pressure to an air motor that presses holders against the inner tube of a paper roll can be switched between two magnitudes by switching a three-way valve. The valve is capable of being switched by manual or automatic controls in the event of an emergency stop signal as required by the claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Haugland whose telephone number is (571) 272-6945. The examiner can normally be reached on Monday - Thursday.

Art Unit: 3654

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathy Matecki can be reached on (571) 272-6951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*sjh*  
sjh  
3/7/06

*Kathy Matecki*  
KATHY MATECKI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600